

DPD-0902-61

COPY 1 OF 1

**\*USAF Declass/Release Instructions On File\***

February 8, 1961

File No.: HD-P-159

Subject: FAK Summary - MK I  
and MK II

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25X1A



Dear Jim:

Enclosed is a summary of our items in the MK I and MK II FAK systems. Each item is checked to show whether it is used in the MK I or MK II system, or a MK I item in the MK II FAK system (refers to note 3. items). Also, all items that we believe to be obsolete are checked, and a reference or reason is given. A few items that we believe should be added to FAK are also listed.

Any comments or suggestions, pertaining to this FAK summary, will be greatly appreciated.

Sincerely,



Field Service Administrator

25X1A

POM:hmd  
Enclosure

25X1A

cc:



| Part Number | Description                                      | Note |   |              | Obsolete | Refer            |
|-------------|--|------|---|--------------|----------|------------------|
|             |  | MK I | 3 | MK II        |          |                  |
| 038-8656    | Source Lamp                                      | X    |   | X            |          |                  |
| 151-0018    | Guide-Roller Assembly                            | X    |   |              |          |                  |
| 151-0046    | Roller Guide Assembly                            | X    |   |              |          |                  |
| 151-0051    | Change Gear Assembly 40T                         | X    |   | X            |          |                  |
| 151-0052    | Change Gear Assembly 60T                         | X    | X | X            |          |                  |
| 151-0053    | Change Gear Assembly 80T                         | X    |   | X            |          |                  |
| 151-0054    | Change Gear Assembly 96T                         | X    |   | X            |          |                  |
| 151-0057    | Change Gear Assembly 24T                         | X    |   | X            |          |                  |
| 151-0058    | Prism Assembly                                   | X    |   | X            |          |                  |
| 151-0070    | Band Brake Assembly                              | X    | X | X            | X        | S/B T-15         |
| 151-0077    | Roller and Bearing Assembly                      | X    |   |              |          |                  |
| 151-0123    | Dome Assembly                                    | X    | X | Not<br>Req'd |          |                  |
| 151-0151    | Desiccator Assembly                              | X    |   | X            |          |                  |
| 151-1062    | Pawl Ratchet                                     | X    | X | X            |          |                  |
| 151-1063    | Ratchet  | X    |   |              |          |                  |
| 151-1066    | Catch, Sprocket                                  | X    |   | X            | X        | S/B T-7,<br>T-17 |
| 151-1067    | Stop, Ratchet                                    | X    |   | X            | X        | S/B T-7<br>T-17  |
| 151-1332    | Stud, Dome                                       | X    | X | X            |          |                  |
| 151-1359A   | Spring, Tension Arm                              | X    |   | X            |          |                  |
| 151-1369    | Vert. Indicator Mask S.W. (.26)                  | X    | X | X            |          |                  |
| 151-1370    | Vert. Indicator Mask S.W. (.13)                  | X    |   |              |          |                  |
| 151-1371    | Vert. Indicator Mask (.065)                      | X    |   |              |          |                  |
| 151-2157    | Lamp, Dialight No. 327 (GE)                      | X    | X | X            |          |                  |
| 151-2159    | Actuator, Micro JV20                             | X    | X | X            |          |                  |
| 151-2160    | Switch, Micro V3-1                               | X    | X | X            |          |                  |
| 151-2166    | Gasket, O Ring AN 6227-B4                        | X    | X | X            |          |                  |
| 151-2168    | Gasket, O Ring AN6230-B4                         | X    | X | X            |          |                  |
| 151-2183    | Fuse, 4 AMP, Bussman MDL-4                       | X    | X | X            |          |                  |
| 151-2188    | Oil, Lubricating, Lehigh Chem.<br>L401           | X    | X | X            |          |                  |
| 151-2189    | Grease, Lubricating, MIL-G-15793<br>Anderol L793 | X    | X | X            |          |                  |
| 151-2190    | Moly-Z-Powder-Lockrey Co.                        | X    | X | X            |          |                  |
| 151-2191    | Methyl Alcohol, C.P.                             | X    | X | X            | X        | S/B D-9          |
| 151-2192    | Carbon Tetrachloride                             | X    | X | X            |          |                  |
| 151-2194    | Brush, Cosmetic, Maybelline Co.                  | X    |   |              |          |                  |
| 151-2195    | Absorbent Cotton Balls, J & J or<br>Red Cross    | X    | X | X            |          |                  |
| 151-2196    | Pipe Cleaners - Dill or U.S.<br>Tobacco Co.      | X    | X | X            |          |                  |
| 151-2200    | Tape, Insulating, 3M No. 33                      | X    | X | X            |          |                  |
| 151-2202    | Tape, Masking, 3M No. 202                        | X    | X | X            |          |                  |
| 151-2203    | Sheets, Lens Tissue 9 x 15 No.<br>51             | X    | X | X            |          |                  |
| 151-2207    | Solder, Kester Rosin Core 16 AWG<br>60/40        | X    |   |              |          |                  |
| 152-1105    | Adapter, Flexible Shaft                          | X    |   |              |          |                  |
| 152-1229    | Locking Cone, Pot Small alpha<br>& V/H           | X    | X |              | X        | Note 1)          |
| 151-2161    | Switch, Micro                                    | X    | X | X            |          |                  |
| 151-2201    | Tape, Masking 3M No. 202                         | X    | X | X            |          |                  |
| 151-1061    | Spring, Pawl                                     |      |   | X            |          |                  |

| Part Number | Description                             | MK I | MK II | Obsolete | Refer                         |
|-------------|---|------|-------|----------|-------------------------------|
| 152-1330    | Gear, V/H Pot 22T                       | X    | X     | X        | Note 1)                       |
| 152-1334    | Gear, Alpha Pot 45T                     | X    | X     | X        | Note 1)                       |
| 152-1341    | Locking Nut, Pot V/H and alpha          | X    | X     | X        | Note 1)                       |
| 152-1406    | Boot                                    | X    | X     | X        | Note 1)                       |
| 152-1411    | Friction Inserts (.06)                  | X    | X     | X        | Note 1)                       |
| 152-1412    | Friction Inserts (.09)                  | X    | X     | X        | Note 1)                       |
| 152-1456    | Socket, Press-to-test AN3157-3          | X    |       | X        | Note 1)                       |
| 152-1459    | Knob-Mode Switch No. 70-4-2G (Raytheon) | X    |       | X        | Note 1)                       |
| 152-1461    | Panel, Control                          | X    | X     | X        | Note 1)                       |
| 152-5000    | Motor-power changer No. 5A1219 27V.D.C. | X    |       |          |                               |
| 501-0044    | Gear Box Assembly                       | X    | X     | X        |                               |
| 501-0045    | Metering Motor                          | X    | X     | X        |                               |
| 501-0047    | Solenoid                                | X    | X     | X        |                               |
| 501-0060    | Scan Motor                              | X    | X     | X        |                               |
| 501-1005    | Bearing, Ball, New Departure R-3        | X    |       | X        |                               |
| 501-1028    | Gasket, O Ring AN6227-B1                | X    |       | X        |                               |
| 501-1029    | Gasket, O Ring MS295-13-123             | X    | X     | X        |                               |
| 501-1075    | Relay, Magnecraft 33HSX-89              | X    | X     | X        |                               |
| 501-1076    | Magnecraft Latching Relay 11LHTX4       | X    | X     | X        |                               |
| 501-1242    | Ring, Retaining W.K. No. 5108-106       | X    | X     | X        |                               |
| 501-1267    | Relay, Thermal Time Delay               | X    | X     | X        |                               |
| 522-0052    | Clock Heater Assy.                      | X    | X     |          |                               |
| 522-0054-1  | Cam, .006                               | X    | X     |          |                               |
| 522-0054-2  | Cam, .012                               | X    | X     |          |                               |
| 522-0054-3  | Cam, .024                               | X    | X     |          |                               |
| 522-0054-4  | Cam, .047                               | X    | X     |          |                               |
| 522-0054-5  | Cam, .096                               | X    | X     |          |                               |
| 522-0054-6  | Cam, .188                               | X    | X     |          |                               |
| 522-0064    | Lever Metering Sprocket                 | X    |       | X        | S/B T-17                      |
| 522-0080    | Mini-Joint Universal                    | X    |       |          |                               |
| 522-1002    | Relay, G.E.                             | X    | X     |          |                               |
| 522-1095    | Cam - 1E Top                            | X    | X     |          |                               |
| 522-1096    | Cam - 1E Bottom                         | X    | X     |          |                               |
| 522-1097    | Cam - 4W Top                            | X    | X     |          |                               |
| 522-1098    | Cam - 4W Bottom                         | X    | X     |          |                               |
| 522-1099    | Cam - 1W - Top                          | X    | X     |          |                               |
| 522-1100    | Cam - 1W - Bottom                       | X    | X     |          |                               |
| 522-1101    | Cam - 4E - Top                          | X    | X     |          |                               |
| 522-1102    | Cam - 4E - Bottom                       | X    | X     |          |                               |
| 522-1105    | Spring, Ratchet Stop                    | X    |       | X        |                               |
| 522-1106    | Spring, Lever Metering                  | X    |       | X        |                               |
| 522-1107    | Spring, Lever Metering                  | X    |       | X        |                               |
| 522-1108    | Spring, Sprocket Catch                  | X    |       | X        |                               |
| 522-1113    | Cam - 2E - Top                          | X    | X     |          |                               |
| 522-1114    | Cam - 2-E-Bottom                        | X    | X     |          |                               |
| 522-1115    | Cam - 2W - Top                          | X    | X     |          |                               |
| 522-1116    | Cam - 2W - Bottom                       | X    | X     |          |                               |
| 522-1117    | Cam - 3E - Top                          | X    | X     |          |                               |
| 522-1118    | Cam - 3E - Bottom                       | X    | X     |          |                               |
| 522-1119    | Cam - 3W - Top                          | X    | X     |          |                               |
| 522-1120    | Cam - 3W - Bottom                       | X    | X     |          |                               |
| 522-1123    | Cam Switch Delay                        | X    |       | X        |                               |
| 522-1128    | Switch Micro Metering B27RW2T04         | X    |       | X        | S/B T-11<br>T-8               |
| HK731302-9  | Lamp GE 334                             | X    | X     | X        |                               |
| HK731450    | Time Indicator                          | X    | X     |          | Modified<br>into 501-<br>0096 |
| PK-1004     | Ring, Retaining WK #5100-18             | X    | X     | X        |                               |

| Part Number | Description                                    | Note  |       | Obsolete | Refer                       |
|-------------|--|-------|-------|----------|-----------------------------|
|             |  | MKI 3 | MK II |          |                             |
| PE-1006     | Ring, Retaining WK #5100-37                    | X     | X     |          |                             |
| PE-1007     | Ring, Retaining WK #5133-18                    | X     | X     |          |                             |
| PE-1008     | Ring, Retaining WK #5133-12                    | X     | X     |          |                             |
| PE-1009     | Ring, Retaining WK #5133-21                    | X     | X     |          |                             |
| PE-1010     | Ring, Retaining WK #5133-25                    | X     | X     |          |                             |
| PE-1011     | Pin Dowel 1/16D x 5/32 Pic D3-156              | X     | X     |          |                             |
| PE-1012     | Pin Dowel 1/16D x 3/16 Pic D3-187              | X     | X     |          |                             |
| PE-1013     | Pin Dowel 1/16D x 7/32 Pic D3-218              | X     | X     |          |                             |
| PE-1014     | Pin Dowel 1/16D x 1/4 Pic D3-250               | X     | X     |          |                             |
| PE-1015     | Pin Dowel 1/16D x 3/8 Pic D3-375               | X     | X     |          |                             |
| PE-1016     | Pin Dowel 3/32D x 3/16 Pic D4-187              | X     | X     |          |                             |
| PE-1017     | Pin Dowel 3/32D x 7/32 Pic D4-218              | X     | X     |          |                             |
| PE-1018     | Pin Dowel 3/32D x 1/4 Pic D4-250               | X     | X     |          |                             |
| PE-1019     | Pin Dowel 3/32D x 3/4 Pic D4-750               | X     | X     |          |                             |
| PE-1020     | Pin Dowel 1/8D x 1/4 Pic D5-250                | X     | X     |          |                             |
| PE-1021     | Pin Dowel 1/8D x 1/2 Pic D5-500                | X     | X     |          |                             |
| PE-1023     | Pin, Taper 8/OD x 3/8 Pic C-2-1                | X     | X     |          |                             |
| PE-1024     | Gasket, O Ring AN 902-63                       | X     | X     |          |                             |
| PE-1029     | Pin, Roll ESNA 59-012-062-0187                 | X     | X     |          |                             |
| PE-1047     | Switch, Micro 12TS1-2                          | X     |       | X        | S/B T-14                    |
| PE-1049     | Switch, Micro 1P35                             | X     |       | X        | "                           |
| PE-2000     | Bulb, Press to List #313 (GE)                  | X     | X     | X        | Note 162                    |
| PE-2001     | Bulb, Panel Light AN3140-327                   | X     | X     | X        | "                           |
| PE-2002     | Wire, Boot                                     | X     | X     | X        | "                           |
| PE-2003     | Resistor, Motor-No. 5-350 ("Axiohm")           | X     |       | X        | "                           |
| PE-2005-1   | Actuator W/JS-5                                | X     | X     |          |                             |
| PE-2005     | Switch Limit #1SM1-Micro                       | X     | X     |          |                             |
| PE-2006     | Connector, Power Change #HM4D-LR (Winches-ter) | X     | X     |          |                             |
| 151-0158    | Clamp Roll Pin Extractor                       | X     | X     |          |                             |
| 151-1441    | Fixture Mirror Adjustable                      | X     | X     |          |                             |
| 151-1458    | Fixture, Prism Adjusting                       | X     | X     |          |                             |
| 151-1459    | Wrench, Box Hose Fitting                       | X     | X     | X        |                             |
| 151-1472    | Screwdriver Slotted                            | X     |       |          |                             |
| 151-1482    | Wrench, Open End 3/8 x 7/16 (Mod.)             | X     |       |          |                             |
| 152-1572    | Tachometer, Assy.                              | X     |       |          |                             |
| 152-1573    | Multimeter, Portable W/Case #369               | X     |       |          |                             |
| 162-0002    | Collimator 100EFL                              | X     |       |          |                             |
| 162-0049    | Box, Test Tracking Control                     | X     |       | X        | Note 1)                     |
| 522-0075    | Box, Test MK 1A Tracker                        | X     | X     | X        | S/B T-14<br>& P.L.<br>61-19 |
| 522-0078    | Fixtures, Program Cam                          | X     | X     |          |                             |
| 151-0043    | Disc, Clutch Sub Assy.                         |       |       | X        |                             |
| 151-0096    | Photocell                                      |       |       | X        |                             |
| 151-0112    | Actuator, Special                              | X     |       | X        |                             |
| 151-0122    | Motor, Aperture                                |       |       | X        |                             |
| 151-0126    | Power Cable                                    |       |       | X        |                             |
| 151-1034    | Spring   |       |       | X        |                             |
| 151-1068    | Spring, Ratchet Stop                           |       |       | X        |                             |
| 151-1069    | Spring, Sprocket Catch                         |       |       | X        | X S/B T-7                   |
| 151-1097    | Spring, Guide Roller (Left)                    |       |       | X        | X S/B T-7                   |
| 151-1160    | Pin, Ball Point                                |       |       | X        |                             |
| 151-1161    | Shaft, Cam                                     |       |       | X        |                             |
| 151-1191    | Spring, Clutch                                 |       |       | X        |                             |
| 151-1192    | Spring   |       |       | X        |                             |

| Part Number | Description   | MK I | MK II | Obsolete | Refer    |
|-------------|---|------|-------|----------|----------|
| 151-1205    | Spring, Ratchet Stop                                |      | X     | X        | S/B T-7  |
| 151-1209    | Spring, Stop  |      | X     | X        | S/B T-7  |
| 151-1212    | Spring, Guide Roller (Right)                        |      | X     |          |          |
| 151-1233    | Spring, IMC, Lever                                  |      | X     |          |          |
| 151-1261-1  | Spring, IMC, Dial                                   |      | X     |          |          |
| 151-1261-2  | Spring, IMC, Dial                                   |      | X     |          |          |
| 151-1314    | Spring, Brake Lever                                 |      | X     |          |          |
| 151-2146    | Capacitor 250 Mfd. 50 VDC Electrolytic              |      | X     |          |          |
| 151-2148    | Diode, Germanium GE IN93                            |      | X     |          |          |
| 151-2152    | Resistor, Variable "Manual" 1K                      |      | X     |          |          |
| 151-2153    | Resistor, Variable Sensitivity 10K                  |      | X     |          |          |
| 151-2158    | Switch, Push Button                                 |      | X     |          |          |
| 151-2163    | Transistor-2N35                                     |      | X     |          |          |
| 151-2167    | Gasket O Ring AN6230 B-24                           |      | X     |          |          |
| 151-2173    | Receptacle, United Carr 99871-C-089                 |      | X     |          |          |
| 151-2174    | Stud, United Carr, Fl. Hd. 98264-3-280              |      | X     |          |          |
| 151-2175    | Stud, United Carr, Rd. Hd. 98293-3-280              |      | X     |          |          |
| 151-2176    | Stud, United Carr, W98193-3-280                     |      | X     |          |          |
| 151-2177    | Receptacle, United Carr, 99808                      |      | X     |          |          |
| 151-2179    | Gasket, 1/8 Dia. Sponge Rubber                      |      | X     |          |          |
| 151-2180    | Switch Toggle DPST "Power"                          |      | X     |          |          |
| 151-2187    | Gasket, O Ring AN6230-B38                           |      | X     |          |          |
| 151-2197    | Liquid Detergent (Joy)                              |      | X     |          |          |
| 151-2198    | "Q" Tips FAK  |      | X     |          |          |
| 151-2204    | Anti-Static Compound, Merix Chemical Co.            |      | X     |          |          |
| 151-2205    | Pliobond  |      | X     |          |          |
| 152-0032    | Dome Assy.  |      | X     |          |          |
| 152-0072    | Drift Grid Assy.                                    |      | X     |          |          |
| 152-1003    | Lens, Corrector                                     |      | X     |          |          |
| 152-1062    | Clip, Corrector Lens                                |      | X     |          |          |
| 152-1187    | Tab, Index  |      | X     |          |          |
| 152-1451    | Socket, Panel Light TT51A                           |      | X     | X        | Note 2)  |
| 152-1456    | Socket, Press-To-Test, AN3157-3                     |      | X     | X        | Note 2)  |
| 152-1459    | Knob, H/Sight Switch No. 70-4-2G(Raytheon)          |      | X     | X        | Note 2)  |
| 152-1505    | Solder-Rosin Core 60/40 Alloy, No. 18 SWG. (Kester) |      | X     |          |          |
| 500-1008    | Panel, Control                                      |      | X     | X        | Note 2)  |
| 500-1012    | Gear, Nylon Bevel, 32T                              |      | X     | X        | Note 2)  |
| 500-1030    | Clamp, Synchro                                      |      | X     | X        | Note 2)  |
| 500-1031    | Clip, Pot & Screw No. 4-40 x 3/8 Lg. Fil. HD Screw  |      | X     | X        | Note 2)  |
| 500-1060    | Motor, Tracking                                     |      | X     | X        | Note 2)  |
| 500-1082    | Boot, Rubber  |      | X     | X        | Note 2)  |
| 500-1120    | Transmitter, Synchro                                |      | X     | X        | Note 2)  |
| 500-1121    | Amplifier, Servo                                    |      | X     | X        | Note 2)  |
| 500-1122    | Potentiometer, Trimmed                              |      | X     | X        | Note 2)  |
| 500-1160    | Cover, Resistor Board                               |      | X     | X        | Note 2)  |
| 500-1187    | Motor, Servo W/Gearhead                             |      | X     | X        | Note 2)  |
| 500-1195    | Control Transformer                                 |      | X     | X        | Note 2)  |
| 500-1227    | Selector Switch Hind Sight                          |      | X     | X        | Note 2)  |
| 500-1255    | Switch Selector Mode 4 MK II                        |      | X     | X        | Note 2)  |
| 500-1268    | Knob Mode Switch                                    |      | X     | X        | Note 2)  |
| 501-0024    | Dome Assembly                                       |      | X     |          |          |
| 501-0061    | Intervalometer                                      |      | X     |          |          |
| 501-0085    | Relay, Polarized, Sigma 6H x 4C                     |      | X     |          |          |
| 501-0093    | Relay, Weston Sensitrol 1085                        |      | X     |          |          |
| 501-0096    | Time, Indicator                                     |      | X     |          |          |
| 501-1059    | Bearing, Fafnir MF5DD-FS6000                        |      | X     | X        | S/B T-10 |
| 501-1060    | Pin, United Carr 99785-2                            |      | X     |          |          |
| 501-1061    | Stud, United Carr 98264-1-100                       |      | X     |          |          |

| Part Number | Description         | MK I | Note 3 | MK II | Obsolete | Refer |
|-------------|---------------------|------|--------|-------|----------|-------|
| 153-1112    | Resistor, 1280 Ohms |      |        | X     |          |       |
| 153-1113    | Resistor, Solenoid  |      |        | X     |          |       |
| 153-1114    | Resistor, 266 Ohms  |      |        | X     |          |       |
| 153-1115    | Resistor, 280 Ohms  |      |        | X     |          |       |

The following items should be added to FAK.

|            |                                |   |  |   |   |          |
|------------|--------------------------------|---|--|---|---|----------|
| 151-2146   | Diode-Germanium                | X |  |   |   | S/B T-8  |
| 522-1145   | Transistor                     | X |  |   |   | S/B T-8  |
| 522-0099   | Intervalometer-Electrical      | X |  |   |   | S/B T-14 |
| 522-0098   | Brake Band Assy.               | X |  | X |   | S/B T-15 |
| 501-1020   | Switch V3-601                  | X |  | X |   | S/B T-16 |
| 522-0084   | Latch, Scan Sprocket Assy.     | X |  |   |   | S/B T-17 |
| 522-0085   | Lever, Scan Sprocket Assy.     | X |  |   |   | S/B T-17 |
| 522-0086   | Lever, Metering Sprocket Assy. | X |  |   |   | S/B T-17 |
| 522-0087   | Latch, Metering Sprocket Assy. | X |  |   |   | S/B T-17 |
| FE 5100-18 | Retaining ring                 | X |  |   |   | S/B T-17 |
| 522-0123   | Light source Assy.             |   |  |   | X | S/B T-18 |
| 501-1105   | Spring, metering cam           | X |  |   | X |          |
| 522-1177   | Relay-intervalometer           | X |  |   |   |          |
| 501-0096   | Timer Assembly                 | X |  |   |   |          |

Letter HD-P-157  
Modified HK7314-  
50

Note 1) This item is obsolete if the MK I Hand Control is not required.

Note 2) This item is obsolete if the MK II Hand Control is not required.

Note 3) This item appears in the MK II, MK I FAK.